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## **G. Arthur Cooper - Field notes, 1965**

Extracted on Oct-09-2015 04:35:03

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Montebello ss.

October 19

Locality 1 <sup>529</sup> - Swope Mountain, on Pa. 645, 0.7 mile south of junction with Pa 443, about 1.5 miles south of Pine Grove, Pennsylvania. Oct. 19.

Locality 2 <sup>529a</sup> - Swope Mtn., just west of Pa 501, 0.6 mile S <sup>90°</sup> W of junction Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa. Oct. 19.

Locality 3 = 529b.

Junction Pa 501 and side road, 0.56 mile due south of junction of Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa.

October 21

Montebello ss.

Locality 1 <sup>529c</sup> - On Pa 850 at Carson Long Camp, Sherman Creek, 0.5 mile west-northwest of Dromgold, Pa

Locality 2 <sup>529d</sup> -, On Penn. 850, One mile WNW of Dromgold, Pa

Locality 3 - Keyser, quarry, 0.3 mile SE of Union School, on Pa 850, 2 miles west of Dromgold, Pa.

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Locality 2 <sup>529d</sup> - On Penn. 850, One mile WNW of Dromgold, Pa

Locality 3 - Keyser, quarry, 0.3 mile SE of Union School, on Pa 850, 2 miles west of Dromgold, Pa.

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1

Arial & Lucile Priest

July 8 to August 8, 1968  
Trip to Mo & Okla.

Left Washington on July 8 at about 9:30 in Ambassador Station Wagon. Stayed in Charleston, W. Va overnight. Trip to Charleston on US 60 a nightmare of curves and hills. From Charleston went to Paducah Kentucky on the 9th of July. Most of way over throughways in beautiful rolling country. From Paducah, Ky we went to Neosho, Missouri on U.S. 60 Through Springfield. Arrived Neosho about 4:PM and put up at Plaza Motel.

Coll. 68-1

July 11.

Went north on Hy 71 to Tipton Ford Then went down to Shoal Creek and followed road on ~~S~~ west side of Shoal Creek back to Neosho. Exposures of Keokuk appear in bluffs where creek hugs the hilly country on its west side. We found one good collecting place in a gullied road in NE 1/4 SW 1/4 26-26N-32W about 2 miles S and one mile east of Tipton Ford, Neosho.  

Arrival & Departure  
July 8 to August 8, 1968  
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2 68-2

Large quarry in SW 1/4 7-25N-31W about 1 3/4 miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of road 3/4 mile N of Newtown

Limestone here medium gray, fine to coarse grained, general massive with ~~bands~~ scattered bands of chert which contain the fossils.

Chert contains Orthotetes common, Ovatia c, Labriproductus c and Pseudosyrinx fairly common.

~~W~~ 68-3  
July 12

Went to Tripoli pits about 1 1/4 miles N of Seneca, Missouri

The locality is NW 1/4 NW 1/4 35-25N-34W, 1 1/4 miles NNW of Seneca, ~~M~~ Seneca (7 1/2') Missouri

Collected until about 2:30 PM. Came back to Neosho through Wela & Racine.

68-4

July 13.

Visited roadside on branch of Jones Creek, SW corner of SE 1/4 34-28N-31W, NE of Fidelity. Here we saw Marginirugus magnus.

Went on to quarries at

68-2 Large quarry in SW 1/4 7-25N-31W about 1 3/4 miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of road 3/4 mile N of Newtown. Limestone here medium gray, fine to coarse grained, general massive with scattered bands of chert which contain the fossils. Chert contains Orthotetes common, Ovatia c, Labriproductus c and Pseudosyrinx fairly common.

July 12  
Went to Tripoli pits about 1 1/4 miles N of Seneca, Missouri. The locality is NW 1/4 NW 1/4 35-25N-34W, 1 1/4 miles NNW of Seneca, Missouri (7 1/2'). Collected until about 2:30 PM. Came back to Neosho through Wela & Racine.

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Visited roadside on branch of Jones Creek, SW corner of SE 1/4 34-28N-31W, NE of Fidelity. Here we saw Marginirugus magnus.  
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3 68-5

Carthage (Marble Co.) about one mile N. of the city on road just east of US 71. Collecting very poor.

68-6

Quarry on Section line about 1/4 mile S of NE cor 18 - 25N - 29W 2 1/4 miles ENE of Newtonia.

About 10' massive granular lines followed by granular ls in thin beds with shaly partings 8-10' Collecting poor.

July 14.

Left Neosho about 9:00 AM. Went S on US 71 to Anderson, then on Mo. 59 to Noel, and from there west to Vinita where we arrived about 12:30

68-7

St. Joe limestone in long cut on Mo. 59, on N limit of North Noel, just one mile N of junction Mo 59 and 90 in Noel, Missouri.

St. Joe, a bluff of 30 feet of limestone overlying 12 to 20 feet of Chattanooga shale. The St. Joe reminded me of the Lake Valley in color & texture but was harder and more compact and with few fossils.

3  
68-5 Carthage (Marble Co.) about one mile N of the city on road just east of US 71. Collecting very poor.  
68-6 Quarry on section line about 1/4 mile S of NE cor 18-25N-29W 2 1/4 miles ENE of Newtonia. About 10' massive granular lines followed by granular ls in thin beds with shaly partings 8-10' collecting poor.  
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Left Neosho about 9:00 AM. Went S on US 71 to Anderson, then on Mo 59 to Noel, and from there west to Vinita where we arrived about 12:30.  
68-7 St. Joe limestone in long cut on Mo. 59, on N limit of North Noel, just one mile N of junction Mo 59 and 90 in Noel, Missouri. St. Joe, a bluff of 30 feet of limestone overlying 12 to 20 feet of Chattanooga shale. The St. Joe reminded me of the Lake Valley in color & texture but was harder and more compact and with few fossils.

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4 68-8 Low, long hill on south side  
Frisco RR showing about 15' - 20' of flaky,  
crumbly shale capped by thin bedded limestone. The latter disintegrates  
and sheds slabs and loose fossils over the surface. Locality in  
Fayetteville shale, NW 1/4 11-25N-21E, 8 miles E and 3 miles N of  
Vinita, Craig County, Oklahoma.

68-9 Small pit in SE cor SE 1/4 16-25N-21E, 5 miles E and one mile N of  
Vinita, one mile N of US 60, Craig Co., Oklahoma.  
Pit in irregularly slabby limestone with shaly seams that crumble and  
shed fossils. Called Hindsville in 1955.

68-10 July 15.  
Vicinity of Vinita, Okla  
Fayetteville NE 1/4 11-25N-21E, 6 1/2 miles E and 2 1/2 miles N of  
Vinita, Craig County, Oklahoma  
Low bluffs with washes in shaly Fayetteville. Inflatia  
Orthotetes common.

68-11 Small pit in about SE 1/4 SW 1/4 16-25N-21E, Craig Co, Oklahoma.  
Fossils few. Some beds as 68-9 but fossil bed under water in the pit.

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68-8 Low, long hill on south side  
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of flaky, crumbly shale capped  
by thin bedded limestone. The  
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68-10 Fayetteville NE 1/4 11-25N-21E,  
6 1/2 miles E and 2 1/2 miles N of  
Vinita, Craig County, Oklahoma  
Low bluff with washes in  
shaly Fayetteville. Inflatia, Orthotetes  
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5 68-12  
Road cut on Okla Hy 82, 1/4 mile south of junction with US 60. Mostly dark shale with thin band of ls about 5' up. *Chonetes* and *Inflatia*. Above the thin ls is more black shale 8' ± capped by about one foot of limestone containing *Inflatia* and *Orthis*. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Sec 27-25N-21E.

68-13  
Large pit in hard massive coarse calcarenite, white to light gray with short bands up to 8". Large *Symigothyris* and large productid seen. Fossils very scarce. Lithologically unlike Fayetteville and is probably an inlier of Boone.

68-14  
SW cor. 32-25N-21E. About 3 mi E and 2 miles S of Vinita. A variety of limestones from a water-filled pit. *Diaphragmus* common. Lower Fayetteville.

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68-12 Road cut on Okla Hy 82, 1/4 mile south of junction with US 60. Mostly dark shale with thin band of ls about 5' up. *Chonetes* and *Inflatia*. Above the thin ls is more black shale 8' ± capped by about one foot of limestone containing *Inflatia* and *Orthis*. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Sec 27-25N-21E.  
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